

SUPERMENU for NEWDOS Users

by James Garon

Are you still suffering with the problems and downright errors of TRSDOS? Have you listened with awe and envy to the users of NEWDOS and NEWDOS+? This program is not designed to make you feel better. In fact, it is a BASIC program which CANNOT be run under TRSDOS. This is because it makes use of one of NEWDOS' special features: the ability to get a DiRectory while remaining in BASIC.

Once the DiRectory is on the screen (which is actually just another 1K of memory to the Z-80 chip), the program, called SUPERMENU, reads the list of programs from the screen and into an array. Each program is assigned a symbol (@, A, B, ..., Z) allowing up to 27 programs to be run with a single keystroke — even machine language programs! This is possible because NEWDOS can execute a machine language program from BASIC (if its name ends in "/CMD"). SUPERMENU decides automatically whether to "RUN" or "CMD" a given program.

This whole process can be made even more automatic by typing (while in DOS):

```
AUTO BASIC RUN "SUPERMENU"
```

This requires, of course, that you also SAVE the program itself under the name "SUPERMEN" (The computer will ignore the "U" in the AUTO-command — but it looks nicer).

If you are willing to work a little harder, you can automate your whole program library. Take a look at one of your programs. If it has any END statements, change them to:

```
RUN "SUPERMENU"
```

If it has no END statement, then place: RUN "SUPERMENU" after the last line. Now SUPERMENU calls your program and your program returns to SUPERMENU!

Since SUPERMENU as written will create a single key DiRectory/menu for Drive 0, what do you do if you have two or more drives? Just change line 30 from ...CMD"DIR" to CMD"DIR:1" and save the new program under the name "DRIVE1". If you have the drives, save a program called "DRIVE2" with line 30 containing CMD"DIR:2" and so on (Each such program takes only one gran). Now, when you press the RESET button, you will soon see a single-key menu of the programs on Drive 0. One of them will be called "DRIVE1". Press the letter next to "DRIVE1" and, presto!, you are soon gazing fondly at the programs on Drive 1!

TRSDOSers, eat your hearts out!

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10 'SUPER-MENU BY JAMES GARON - DESIGNED FOR APPARAT DOS
20 'BASED ON AN IDEA BY DAVE WINTERS
30 CLS:PRINT@17,"* S U P E R M E N U *":CLEAR1E3:CMD"DIR"
40 PRINT@0,CHR$(30)TAB(25)"CREATING MENU":DEFINTH-Z:DEFSTRA-G
50 DIMA(26):L=1:S=15464:P=851:Z=63:PRINT@128,;
60 FORI=0TO26:K=I:H=20:R=I-3*INT(I/3):IFR=0H=24
70 S=S+H:IFPEEK(S)=32I=26:L=0:GOTO110
80 FORJ=0TO12:M=PEEK(S+J):IFM=32J=12:GOTO100
90 A(I)=A(I)+CHR$(M)
100 NEXT:PRINTTAB(20*R+5)CHR$(64+I)" "A(I):IFR=2PRINTCHR$(29)CHR$(26);
110 NEXT
120 PRINT@0,CHR$(191)CHR$(143)STRING$(60,131)CHR$(143)
    STRING$(2,191):FORI=127TO959STEP64:PRINT@1,STRING$(2,191);
    .NEXT:PRINTCHR$(188)STRING$(60,176)CHR$(188);:
    POKE16383,191:PRINT@91,"- M E N U -";
130 IFK=0PRINT@835,"NO VISIBLE PROGRAMS":FORI=0TO1STEP0:NEXT
140 PRINT@835,"SELECTION (@-CHR$(64+K+(L=0)))":GOSUB170
150 PRINT@P,BTAB(32)"STAND BY FOR "A(M);
160 IFRIGHT$(A(M),4)="/CMD",CMDA(M)ELSERUNA(M)
170 Z=206-Z:PRINT@P,CHR$(Z):FORI=1TO10:B=INKEY$
180 IFB=""NEXT:GOTO170
190 IFB<"@ORB>CHR$(63+K-(L=1))THEN170ELSEM=ASC(B)-64:RETURN
```

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